

## ABSTRACT OF DISCLOSURE

A method for flexibly configuring default values of a network device and a network device using such flexible configuration method is described. First, it is determined whether the default values are obtained through a microprocessor interface or a memory interface. When it is determined that the default values are obtained through the memory interface, a header is received from a memory through the memory interface it is determined from the header whether any default value of the network device should be updated. If the network device should be updated, then at least one configuration instruction is fetched from the memory and the at least one configuration instruction is interpreted. A register default value of the default values is changed, corresponding to the interpreted at least one configuration instruction. Alternatively, when it is determined that the default values are obtained through the microprocessor interface, the default values are changed according to data received through the microprocessor interface.